

Oct. 18, 1927.

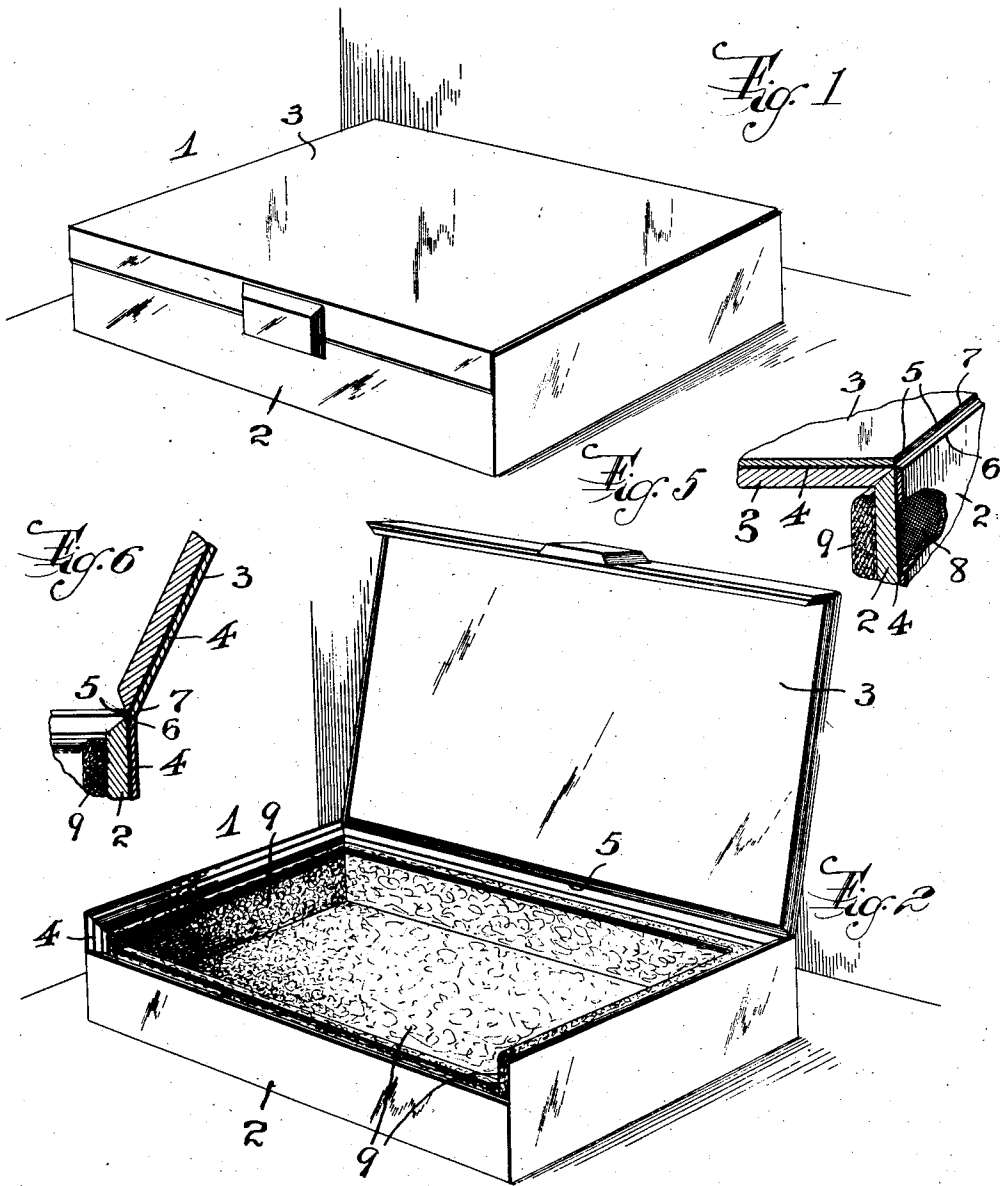
1,645,765

E. McCREE

RECEPTACLE

Filed April 5, 1924

2 Sheets-Sheet 1



INVENTOR:
Eben McCree,
BY
Prantzel and Richards
ATTORNEYS.

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E. McCREE

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2 Sheets-Sheet 2

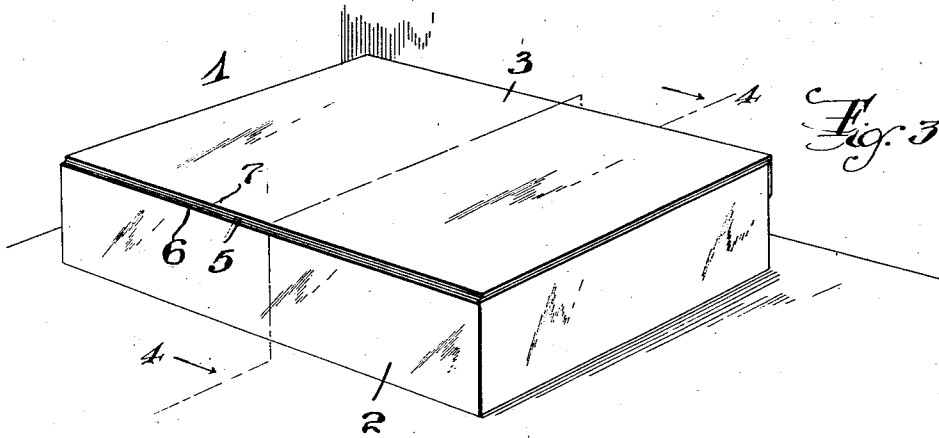


Fig. 3

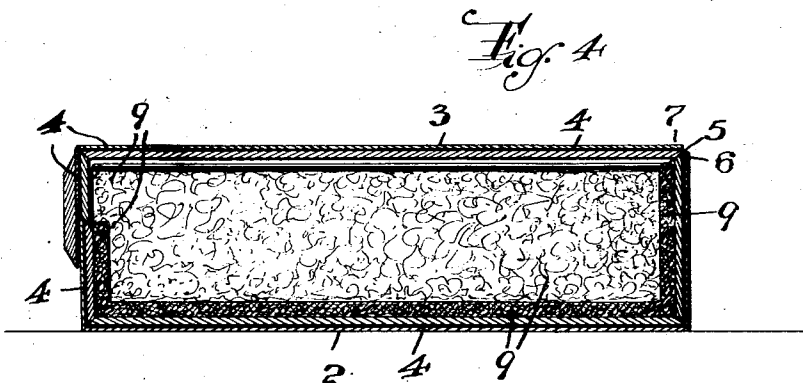


Fig. 4

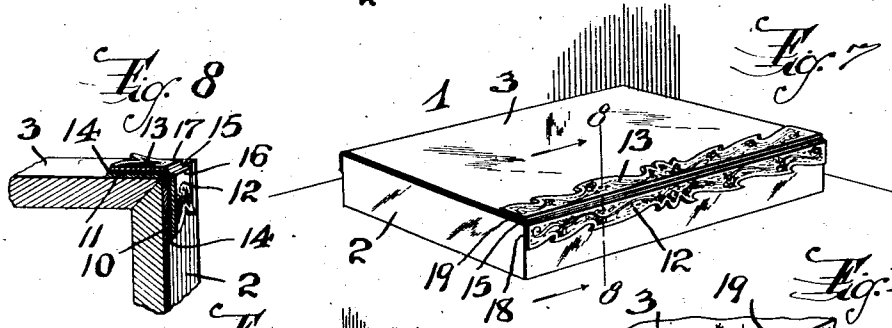


Fig. 8

Fig. 7

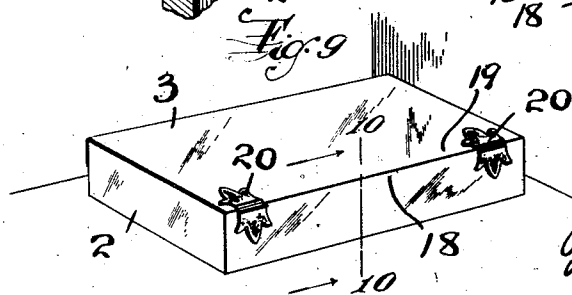


Fig. 9

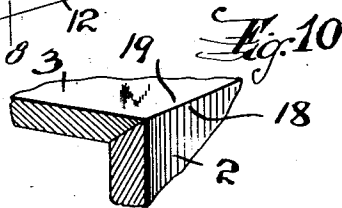


Fig. 10

INVENTOR:
Eben McCree,

BY
Braentzel and Richards,
ATTORNEYS.

Patented Oct. 18, 1927.

1,645,765

UNITED STATES PATENT OFFICE.

EBEN MCCREE, OF ARLINGTON, NEW JERSEY.

RECEPTACLE.

Application filed April 5, 1924. Serial No. 704,334.

This invention relates, generally, to improvements in receptacles or boxes made of sheet pyroxylin, or other analogous material or compounds; and, the present invention has reference, more particularly, to the production of receptacles made of pyroxylin, or similar material, and a novel means of hinging the cover-section to the main body-section of the receptacle or box, with a view of dispensing with the usual unsightly and unsatisfactory metal hinges and rivets or pins now ordinarily employed for pivotally connecting the pyroxylin cover-section to the pyroxylin body-section.

The present invention, therefore, has for its principal object to provide a novel, and simple hinge-connection for the members, as the body and the cover, of a receptacle or box made of pyroxylin or a similar material, with a view of providing a neat and an effective hinge-connection, and dispensing with the usual unsightly metal hinges and with the unsatisfactory means of securing such hinges by means of rivets or pins to the thin body and cover-sections or members of a receptacle made of pyroxylin, or the like.

Other objects of the present invention not at this time more particularly enumerated will be clearly understood from the following detailed description of the present invention.

With the various objects of the present invention in view, the said invention consists, primarily, in the novel receptacle or box made of pyroxylin, or other analogous material, and a novel hinge-connection between the members of the receptacle or box, hereinafter more fully set forth; and, the present invention consists, furthermore, in the novel arrangements and combinations of the several devices and parts, as well as in the details of the construction of the same, all of which will be more fully described in the following specification, and then finally embodied in the clauses of the claims, which are appended to and which form an essential part of the said specification.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figures 1 and 2 are perspective views of a receptacle or box made according to and embodying the principles of the present invention, respectively illustrating the members of the receptacle in their closed and in their opened relation; and Figure 3 is a similar view of the receptacle or box, looking to-

ward the hinged portions of the body-member and the cover-section of the same.

Figure 4 is a transverse vertical sectional representation of the receptacle or box, said section being represented as being taken on line 4—4 in said Figure 3; and Figures 5 and 6 are detail views, illustrating more particularly on an enlarged scale, fragmentary portions of the body-member, the cover-section, and of the hinging means used in connection with said members.

Figures 7 and 9 are perspective views of a pair of receptacles made of pyroxylin, or the like, provided with modified forms of hinge-connections made according to and embodying the principles of the present invention.

Figure 8 is a detail sectional representation taken on line 8—8 in said Figure 7; and Figure 10 is a detail sectional representation taken on line 10—10 in said Figure 9.

Similar characters of reference are employed in all of the said above described views, to indicate corresponding parts.

Referring now more particularly to Figures 1 to 6 inclusive, the reference-character 1 indicates a complete receptacle or box made of pyroxylin, or other analogous material, the same comprising a main body 2 and a cover-section 3. In practice, the said main body is made of two layers of sheet pyroxylin, and the cover-section is also made of two layers of sheet-pyroxylin, the said sheets or layers of the respective main body and cover-section having disposed between them a sheet or layer of a suitable flexible woven fabric or cloth 4, the same being, preferably in one continuous piece, so as to provide a hinge-connection, as 5 along the abutting marginal edge-portions 6 and 7 of the said main body and the cover-section, substantially as indicated in Figures 4, 5 and 6 of the drawings.

By means of the usual methods, the sheet or layer of the woven fabric is suitably disposed between the two layers of sheet-pyroxylin, or the like, and then by means of the method set forth in my former application for Letters-Patent, filed May 15, 1923, Serial No. 639,105, or by any other practical method, the united parts are assembled in a manner, so as to provide a receptacle or box, comprising a main body-member and a cover-section, of the general character represented in Figures 1, 2 and 3 of the drawings.

To overcome any possibility of the woven fabric or cloth 4, breaking at the exposed

hinge-connection 5, the interwoven threads, as the warp and weft, are arranged on the bias between the pyroxylin sheets, as indicated at 8 in Figure 5 of the drawings, so as to bring any undue strain produced, when the cover-section is opened to assume the positions indicated in Figures 2 and 6, against the weave. The reference-character 9 indicates a suitable padding or inner lining with which the body-member of the receptacle or box may be provided, but such padding or lining is not essential to the principles of the present invention, and may be omitted if desired.

In lieu of the form of woven fabric or cloth hinge-connection herein-above described, and illustrated in Figures 1 to 6 inclusive, a hinge-construction, such as is illustrated in Figures 7 and 8 may be employed. This hinge-construction, as will be seen more particularly from an inspection of Figure 8 of the drawings, consists, essentially, of a pair of base-members 10 and 11 cut in the form of strips from sheet-pyroxylin, and a pair of face-members 12 and 13, also cut in the form of strips from sheet-pyroxylin, the various strips being of any suitable ornamental configuration, and the various base and face-members having operatively disposed and secured between, in a manner similar to the arrangement described in connection with said Figures 1 to 6 inclusive, a piece of a suitable flexible woven fabric or cloth, as 14, the same being arranged so as to provide a hinge-connection at 15, along the abutting marginal edge-ports 16 and 17 of the respective hinge-members thus provided by the respective base-members and face-members. The said connected hinge-members thus provided, as will be seen from said Figure 7 of the drawings, are thereupon secured to the marginal edge-ports 18 and 19 of the main body and the cover-section of the box or receptacle, by use of a pyroxylin solvent, such as acetone or other solvent practical for cementing the pyroxylin hinge-members to the body and the cover-section of the pyroxylin receptacle or box, as will be clearly evident.

In lieu of the strip-shaped hinge-connection just described, the same arrangement of base-members and face-members of pyroxylin, and an intermediate hinge-connection made of a woven fabric or cloth, may be

made in the manner of small pyroxylin hinges, as 20, as shown in Figure 9 of the drawings, the said hinges being of the same general construction of the hinge-connection shown in said Figures 7 and 8 of the drawings, and being adapted to be secured to the body and the cover-section of the receptacle or box, in the manner herein-above described.

Of course I am aware that my present invention is capable of some changes in the general arrangements and combinations of the several devices and parts, without departing from the scope of the present invention as set forth in the foregoing specification, and as defined in the clauses of the claims which are appended thereto. Hence, I do not limit my present invention to the exact arrangements and combinations of the various devices and parts as described in the said specification and as illustrated in the accompanying drawings.

I claim:—

1. A receptacle comprising a body-member and a cover-section, each body-member and cover-section consisting of coextensive layers of sheet-pyroxylin or analogous material, and a hinge-connection between said body-member and said cover-section, said hinge-connection comprising a piece of woven fabric or cloth having portions thereof imbedded between and coextensive with the layers of sheet-pyroxylin of the said body-member and of the said cover-section.

2. A receptacle comprising a body-member and a cover-section, each body-member and cover-section consisting of coextensive layers of sheet-pyroxylin or analogous material, and a hinge-connection between said body-member and said cover-section, said hinge-connection comprising a piece of woven fabric or cloth having portions thereof imbedded between and coextensive with the layers of sheet-pyroxylin of the said body-member and of the said cover-section, the warp and weft of the said fabric being arranged on the bias with relation to the adjacent marginal edge-portion of the said body-member and cover-section.

In testimony, that I claim the invention set forth above I have hereunto set my hand this 3rd day of April, 1924.

EBEN McCREE.